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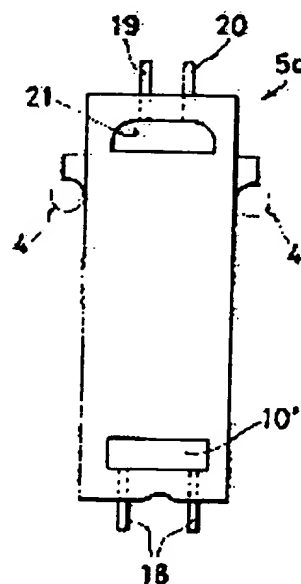
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## (54) FLAT MEMBRANE APPARATUS

## (57)Abstract:

**PURPOSE:** To perfectly wash the interior of an apparatus up to the upper end thereof with a washing solution while reducing the use amount of the washing solution, by respectively providing a liquid drain means, an air passing means and a washing solution supply means to the first partition plate having a lower relay port through opening and closing valves.

**CONSTITUTION:** To either the first partition plate having a lower relay port alternately partitioning the block of a filter plate and the second partition plate having an upper relay port, an emitting pipe 18 as a liquid drain means of which the upper end is allowed to communicate with the lower relay port is downwardly mounted on the first partition plate 5a. Further, an air passing pipe 19 as an air passing means and a washing solution supply pipe 20 as a washing solution supply means, both of which communicate with the upper liquid passing port of the filter plate of the



blocks wherein a raw liquid flows downwardly through a liquid passing gap, are upwardly mounted to the first partition plate 5a and opening and closing valves are provided to the pipes 18W20. At the time operation is stopped, the valves of the pipes 18, 19 are opened and the interior of the apparatus is allowed to communicate with the atmosphere and the raw liquid in the liquid passing gap is discharged from the pipe 18. Next, the valve of the pipe 20 is opened and the washing solution is supplied into the apparatus and the waste washing solution is discharged from the pipe 18. After washing, the pipes 18W20 are closed.

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## LEGAL STATUS

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